

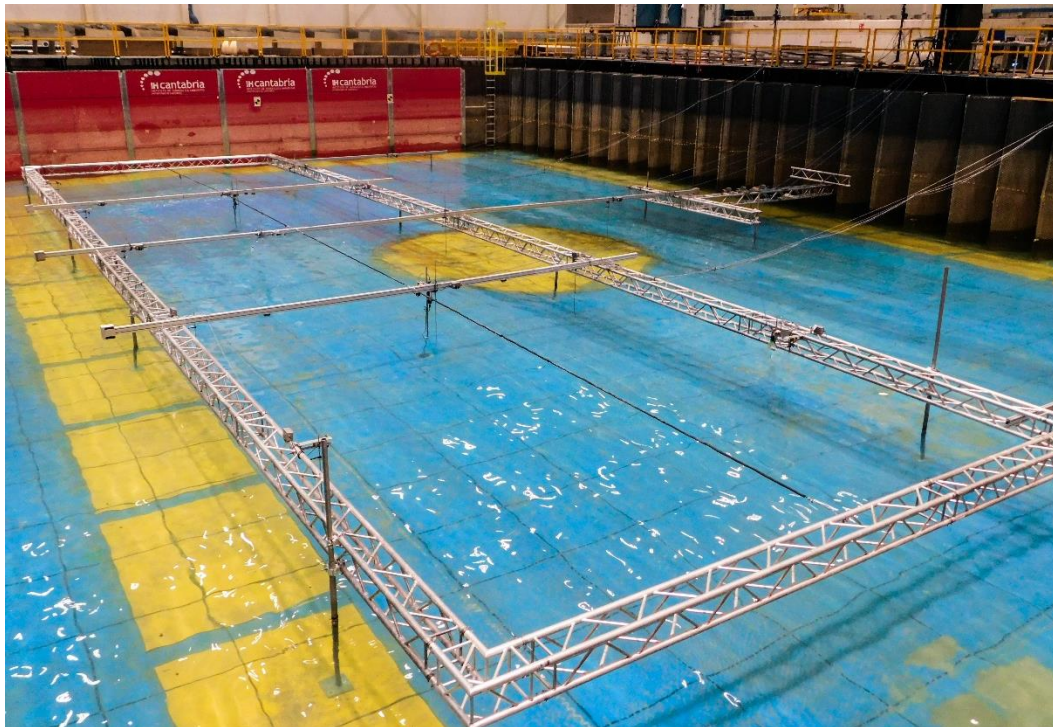
ASX ANNOUNCEMENT

23 July 2020

Completion of Wave Predictor Validation Tank Testing Campaign

- Wave tank testing campaign successfully completed on Tuesday 21 July
- Over 15 GB of data generated to validate Carnegie's Wave Predictor
- Early assessment finds quality of recorded data sufficient to meet validation objectives

Carnegie's wave tank testing campaign, which kicked off on 13 July 2020 (refer ASX announcement 14 July 2020), reached completion on Tuesday 21 July 2020.



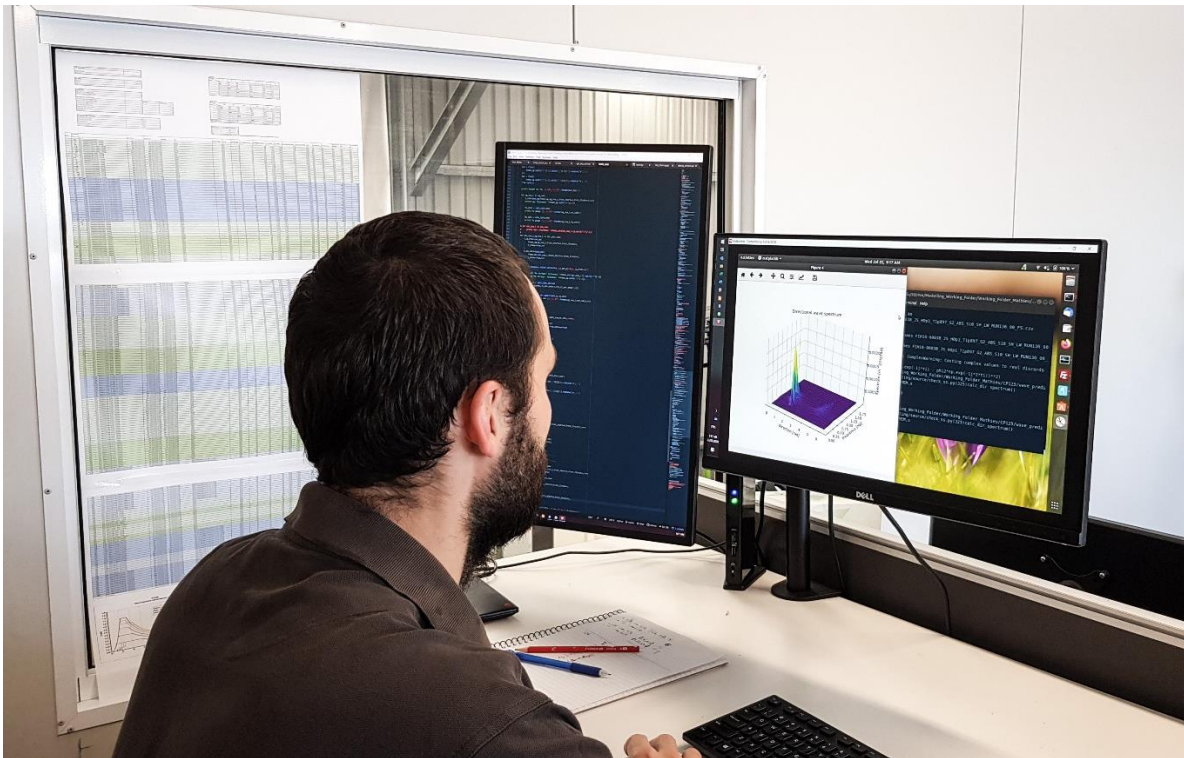
Cantabria's Wave Basin during the testing.

What was achieved during the campaign?

Over the course of the testing campaign, over 200 wave tests were run in the Cantabria Coastal and Ocean Basin (CCOB), located in the city of Santander, Spain. The tests covered a range of wave conditions, which reflect potential deployment sites for the CETO technology. The campaign generated over 15 GB of physical data, which will be used to validate Carnegie's machine learning Wave Predictor, so far developed using numerical data.

How will this serve Carnegie's objectives?

This campaign is an important milestone in the development of the Wave Predictor, as it will allow Carnegie's analysis team not only to validate the tool, but also to further optimise it. As with any sensor-measured information, the data generated at the CCOB includes noise and other "real world" imperfections, which the wave predictor needs to cope with to allow its use in the CETO control system and other industrial applications. This will allow Carnegie's engineers to take a step beyond what had been achieved with numerical data, and to make the tool ocean-ready.



Carnegie engineer analysing the data produced during the testing campaign.

Next steps

Early assessment has found the quality of the data is suitable to validate and optimise the Wave Predictor, however, it will take several months for the analysis team to fully process the data and finalise the validation of the tool.

The Wave Predictor will also be integrated into CETO's intelligent controller which is a future milestone on the Digital Development Pathway.

For more information

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